This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended): A system for providing a computer simulation system model comprising:

computer-implemented design automation software means for enabling a designer to create a runnable simulation system model including interconnected component and/or subsystem models;

computer-implemented simulation content file creation means for creating a simulation content file that includes information describing the simulation system model; and

computer-implemented simulation player comprising:

means for reading the simulation content file;

graphical user-interface means for displaying to an end-user a schematic diagram of the simulation system model created by the designer; and

means for running the simulation system model using the information in the simulation content file,

wherein the graphical user interface means and/or the means for running the simulation system model are adapted to prohibit the end-user from modifying the simulation model by adding or removing any of the component models, subsystem models or interconnections of the simulation system model.

simulation player software including means for reading the simulation content file, that enables an end-user to run the simulation model based upon the information in the simulation content file while prohibiting the end-user from adding or removing component models, subsystem models or interconnections of the simulation model.

2. (currently amended): The system of claim 1 wherein said computer-implemented design automation means is adapted to software enables the designer to identify parameters of the simulation system model, component models and/or subsystem models that may be inspected and/or varied by the end user, and to specify one or more allowed values of said parameters,

wherein the simulation content file further includes information identifying said parameters and allowed values, and

wherein the ~~graphical user interface means is adapted to enable simulation player software enables~~ the end user to vary only said identified parameters of the simulation ~~system~~ model, component models and/or subsystem models to only said allowed values.

3.   (currently amended):   The system of claim 1 wherein the simulation ~~system~~ model comprises an optical, opto-electronic or electronic simulation model.

4.   (currently amended):   The system of claim 1 wherein the information describing the simulation ~~system~~ model includes information specifying the component models and/or subsystem models comprising the simulation model, and the interconnections therebetween.

5.   (currently amended): The system of claim 1 wherein the information describing the simulation ~~system~~ model includes simulation instructions specifying a sequence of operations to be carried out during running of the simulation model by the simulation player ~~software~~.

6.   (currently amended): The system of claim 1 wherein the information describing the simulation ~~system~~ model includes information defining a graphical representation of the simulation model ~~which is utilized by the graphical user interface means to display the schematic diagram of the simulation system model~~, ~~and wherein the simulation player software is configured to display said graphical representation on a computer display~~.

7.   (currently amended): The system of claim 1 wherein the simulation content file creation means encrypts at least a part of the simulation content file to prevent unauthorized parties from accessing and/or altering the information describing the simulation ~~system~~ model.

8.   (original):   The system of claim 2 wherein the allowed values of said parameters comprise one or both of a range of values specified as a minimum value and a maximum value, and a list of discrete values.

9.   (currently amended): The system of claim 1 wherein the simulation content file creation means comprises a software component for use with the computer-implemented design automation softwaremeans.

10.   (currently amended): The system of claim 9 wherein the simulation content file further comprises content including one or more of data and/or document files, a digital image, a web site URL, and contact details, and wherein the designer a user is able to control the content file creation software component to include said content at the time of creation of the file.

11.   (currently amended): The system of claim 10 wherein the simulation system model comprises a model of a component or system product, and the computer simulation model is provided for distribution by a vendor for evaluation of said product by prospective customers.

12.   (currently amended): The system of claim 11 wherein the document and/or data files comprise data and promotional information relating to said product, and the simulation player comprises means for enabling software enables the end user to open said files and inspect their contents.

13.   (currently amended): The system of claim 11 wherein the digital image comprises a company logo of said vendor, and the simulation player software is configuredgraphical user interface means is adapted to display the logo on a computer display.

14.   (currently amended): The system of claim 11 wherein the web site URL identifies a web site of said vendor, and the simulation player software enablesgraphical user interface means is adapted to enable the end user to open a web browser at said web site.

15.   (currently amended): The system of claim 11 wherein the contact details include one or more of a physical address, an email address, a telephone number and a fax number, and the simulation player software is configuredgraphical user interface means is adapted to display said contact details on a computer display.

16. (currently amended): A method of providing a computer simulation system model comprising the steps of:

one or more computer systems receiving a runnable simulation system model using created by a designer using computer-implemented design automation softwaremeans, said simulation system model including interconnected component and/or subsystem models;

the one or more computer systems creating a computer-readable simulation content file that includes information describing the simulation system model;

providing the simulation content file to an end-user computer system; and

the end-user computer system providing a graphical user interface which displays a schematic diagram of the simulation system model;

the end-user computer system enabling an end-user to run the simulation system model via the graphical user interface while prohibiting the end-user from modifying the simulation system model by adding or removing any of the component models, subsystem models or interconnections of the simulation system model;

the end-user computer system running the simulation model; and

the end-user computer system presenting simulation results via the graphical user interface of the end-user computer system.

receiving instructions from the end-user to run the simulation model using simulation player software that includes means for reading the simulation content file, and that enables the simulation model to be run based upon the information in the simulation content file while prohibiting the addition or removal of component models, subsystem models or interconnections of the simulation model.

17. (currently amended): The method of claim 16, further comprising the steps of:

the end-user computer system receiving input from the simulation content file identifying parameters of the simulation system model, component models and/or subsystem models that may be inspected and/or varied, and input specifying one or more allowed values of said parameters; wherein the simulation content file further includes information identifying said parameters and allowed values, and

the end-user computer system receiving input from an end-user varying said identified parameters of the simulation system model, component models and/or subsystem models to said allowed values.

18.   (currently amended):   The method of claim 16 wherein the simulation system model comprises an optical, opto-electronic or electronic simulation model.

19.   (currently amended):   The method of claim 16 wherein the step of providing the simulation content file to an end-user computer system comprises distributing the file using an information network.

20.   (original): The method of claim 19 wherein the information network is the internet.

21.   (previously presented):   The method of claim 19 wherein said step of distributing includes making the simulation content file available for download from a web site.

22.   (currently amended):   A tangible computer-readable medium program product comprising a computer readable storage medium having computer readable instructions stored thereon, said instructions executing the steps comprising for performing a method of providing a computer simulation system model comprising the steps of:

        providing a computer-implemented design automation software environment for enabling a designer to create a runnable simulation system model including interconnected component and/or subsystem models; and

        creating a simulation content file that includes information describing the simulation system model,

        wherein the simulation content file is adapted for use with a computer-implemented simulation player which comprises:

        means for reading the simulation content file;

        graphical user interface means for displaying to an end-user a schematic diagram of the simulation system model created by the designer;

means for running the simulation system model using the information in the simulation content file; and

wherein the graphical user interface means and the means for running the simulation system model are further adapted to prohibit the end user from modifying the simulation system model by adding or removing any of the component models, subsystem models or interconnections of the simulation system models. ~~for use with simulation player software that enables an end user to run the simulation model based upon the information in the simulation content file while prohibiting the end user from adding or removing component models, subsystem models or interconnections of the simulation model.~~

23. (currently amended): The computer-readable medium ~~program product~~ of claim 22 wherein said computer-implemented design automation ~~software~~ environment enables the designer to identify parameters of the simulation system model, component models and/or subsystem models that may be inspected and/or varied by an end user, and to specify one or more allowed values of said parameters that may be set by the end user, and

wherein said step of creating a simulation content file ~~further includes~~comprises including with said file information identifying said identified parameters and allowed values.

24. (currently amended): The computer-readable medium ~~program product~~ of claim 22 wherein the simulation system model comprises an optical, opto-electronic or electronic simulation model.

25. (currently amended): The computer-readable medium ~~program product~~ of claim 22 wherein the information describing the simulation system model includes information specifying the component models and/or subsystem models comprising the simulation system model, and the interconnections therebetween.

26. (currently amended): The computer-readable medium ~~program product~~ of claim 22 wherein the information describing the simulation system model includes simulation instructions

specifying a sequence of operations to be carried out during running of the simulation system model by the computer-implemented simulation player software.

27. (original): The computer-readable medium program product of claim 23 wherein the allowed values of said parameters comprise one or both of a range of values specified as a minimum value and a maximum value, and a list of discrete values.

28. (currently amended): The computer-readable medium program product of claim 22 wherein said step of creating the simulation content file includes encrypting at least a part of the simulation content file to prevent unauthorized parties from accessing and/or altering the information describing the simulation model.

29. (currently amended): The computer-readable medium program product of claim 22 wherein said computer-implemented design automation environment comprises a computer-executable software component adapted to perform said step of creating a simulation content file. the step of creating the simulation content file is performed by a software component forming an element of the design automation software environment.

30. (currently amended): The computer-readable medium program product of claim 29 wherein the simulation content file further comprises content including one or more of data and/or document files, a digital image, a web site URL, and contact details, the simulation content file including said content at the time of creation.

31. (currently amended): The computer-readable medium program product of claim 30 wherein the simulation system model comprises a model of a component or system product.

32. (currently amended): A tangible computer-readable medium program product comprising a computer readable storage medium having computer readable instructions stored thereon, said instructions executing the steps comprising for performing a method comprising the steps of:

reading a simulation content file that includes information describing a runnable simulation system model created by a designer, which system model includes interconnected component and/or subsystem models; and

providing a computer-implemented simulation player software environment which comprises:

means for reading the simulation content file;

graphical user-interface means for displaying to an end-user a schematic diagram of the simulation system model created by the designer; and

means for running the simulation system model using the information in the simulation content file,

wherein the graphical user interface means and/or the means for running the simulation system model are adapted to prohibit the end-user from modifying the simulation model by adding or removing any of the component models, subsystem models or interconnections of the simulation system model.

~~that enables an end-user to run the simulation model based upon the information in the simulation content file while prohibiting the end-user from adding or removing component models, subsystem models or interconnections of the simulation model.~~

33. (currently amended): The computer-readable medium program product of claim 32 wherein the simulation content file further includes information identifying parameters of the simulation system model, component models and/or subsystem models that may be inspected and/or varied by the end user, and one or more allowed values of said parameters, and

wherein said computer-implemented simulation player software environment enables the end user to vary only said identified parameters to only said allowed values.

34. (original): The computer-readable medium program product of claim 32 wherein the simulation system model comprises an optical, opto-electronic or electronic simulation model.

35. (currently amended): The computer-readable medium program product of claim 32 wherein the information describing the simulation system model includes information defining a

graphical representation of the simulation ~~system~~ model, and wherein the graphical user interface of the computer-implemented simulation player ~~software~~ environment ~~is configured to display~~ utilizes said graphical representation ~~on a computer display~~ to display the schematic diagram of the simulation model.

36. (currently amended): The computer-readable medium ~~program product~~ of claim 32 wherein said computer-implemented simulation player environment comprises a computer-executable software component adapted to perform said step of reading the simulation content file. ~~the step of reading the simulation content file is performed by a software component forming an element of the simulation player software environment.~~

37. (currently amended): The computer-readable medium ~~program product~~ of claim 32 wherein the simulation content file further comprises content including one or more of data and/or document files, a digital image, a web site URL, and contact details.

38. (currently amended): The computer program product of claim 37 wherein the simulation system model comprises a model of a component or system product.

39. (currently amended): The computer-readable medium ~~program product~~ of claim 38 wherein the document and/or data files comprise data and promotional information relating to said product, and the simulation player software environment enables the end user to open said files and inspect their contents.

40. (currently amended): The computer-readable medium ~~program product~~ of claim 38 wherein the digital image comprises a company logo of said vendor, and the graphical user interface of the computer-implemented simulation player ~~software~~ environment is ~~configured~~ adapted to display the logo on a computer display.

41 (currently amended): The computer-readable medium ~~program product~~ of claim 38 wherein the web site URL identifies a web site of a vendor, and the graphical user interface of

the computer-implemented simulation player software environment is adapted to enables the end user to open a web browser at said web site.

42.   (currently amended):   The computer-readable medium program product of claim 38 wherein the contact details include one or more of a physical address, an email address, a telephone number and a fax number, and the graphical user interface of the computer-implemented simulation player software environment is configured adapted to display said contact details on a computer display.

43.   (currently amended):   A system for providing a computer simulation system model of comprising optical, opto-electronic or electronic components or systems, said system comprising:

computer-implemented design automation software means for enabling a designer to create a runnable simulation system model of optical, opto-electronic or electronic components or systems, including interconnected component and/or subsystem models;

a computer-implemented simulation content file creation software means adapted for use component configured to be used with said design automation means software for creating a simulation content file that includes information describing the simulation system model; and

computer-implemented simulation player comprising:

means for reading the simulation content file;

graphical user-interface means for displaying to an end-user a schematic diagram of the simulation system model created by the designer; and

means for running the simulation system model using the information in the simulation content file,

wherein the graphical user interface means and/or the means for running the simulation system model are adapted to prohibit the end-user from modifying the simulation model by adding or removing any of the component models, subsystem models or interconnections of the simulation system model.

simulation player software including a software component for reading said simulation content file, that enables an end user to run the simulation model based upon the information in

~~the simulation content file while prohibiting the end user from adding or removing component~~

~~models, subsystem models or interconnections of the simulation model.~~

44.   (currently amended): The system of claim 43 wherein said design automation <u>means</u> ~~software~~ <u>is adapted to</u> enable~~s~~ the designer to identify parameters of the simulation <u>system</u> model, component models and/or subsystem models that may be inspected and/or varied by the end user, and to specify one or more allowed values of said parameters,

wherein the simulation content file further includes information identifying said parameters and allowed values, and

wherein the ~~simulation player software~~ <u>graphical user interface means is adapted to</u> enable~~s~~ the end user to vary only said identified parameters of the simulation model, component models and/or subsystem models to only said allowed values.

45.   (original): The system of claim 43 wherein the simulation content file further includes one or more of data and/or document files, a digital image, a web site URL, and contact details.

46.   (currently amended): The system of claim 45 wherein:

the simulation <u>system</u> model comprises a model of an optical, opto-electronic or electronic component or system product, and the computer simulation model is provided for distribution by a vendor for evaluation of said product by prospective customers;

the document and/or data files comprise data and promotional information relating to said component or system product, and the simulation player ~~software~~ <u>is adapted to</u> enable~~s~~ the end user to open said files and inspect their contents;

the digital image comprises a company logo of said vendor, and the <u>graphical user interface means is adapted</u> ~~simulation player software is configured~~ to display the logo on a computer display;

the web site URL identifies a web site of said vendor, and the <u>graphical user interface means is adapted to</u> ~~simulation player software~~ enable~~s~~ the end user to open a web browser at said web site; and

the contact details include one or more of a physical address, an email address, a telephone number and a fax number, and the ~~graphical user interface means is adapted simulation player software is configured~~ to display said contact details on the computer display.

47.   (currently amended):   A method of providing a ~~runnable~~ computer simulation system model ~~of~~ comprising optical, opto-electronic or electronic components ~~or systems~~, said method comprising the steps of:

one or more computer systems receiving a runnable simulation system model ~~of~~ comprising optical, opto-electronic or electronic components or systems, created by a designer using computer-implemented design automation ~~software~~ means, said simulation model including interconnected component and/or subsystem models;

the one or more computer systems creating a computer-readable simulation content file that includes information describing the simulation system model;

providing the simulation content file to an end user computer system; ~~and~~

the end-user computer system providing a graphical user interface which displays a schematic diagram of the simulation system model;

the end-user computer system enabling the end-user to run the simulation system model via the graphical user interface while prohibiting the end-user from modifying the simulation system model by adding or removing any of the component models, subsystem models or interconnections of the simulation system model;

the end-user computer system running the simulation model; and

the end-user computer system presenting simulation results via the graphical user interface of the end-user computer system.

~~receiving instructions from the end user to run the simulation model using simulation player software that includes means for reading the simulation content file, and that enables the simulation model to be run based upon the information in the simulation content file while prohibiting the addition or removal of component models, subsystem models or interconnections of the simulation model.~~

48.   (currently amended): The method of claim 47, further comprising the steps of:

the end user computer system receiving input identifying parameters of the simulation system model, component models and/or subsystem models that may be inspected and/or varied, and ~~input~~ specifying one or more allowed values of said parameters, wherein the simulation content file further includes information identifying said parameters and allowed values, and

the end-user computer system receiving input from an end user varying said identified parameters of the simulation model, component models and/or subsystem models to said allowed values.

49.   (currently amended): A tangible computer-readable medium ~~computer program product comprising a computer-readable storage medium~~ having computer-readable instructions stored thereon, ~~said instructions executing the steps comprising~~ for performing a method of providing a computer simulation system model comprising the steps of:

providing a computer-implemented design automation ~~software~~ environment for enabling a designer to create a runnable simulation system model ~~of~~ comprising optical, opto-electronic or electronic components ~~or systems~~, including interconnected component and/or subsystem models; and

creating a simulation content file that includes information describing the simulation system model, ~~for use with simulation player software that enables an end user to run the simulation model based upon the information in the simulation content file while prohibiting the end-user from adding or removing component models, subsystem models or interconnections of the simulation model.~~

wherein the simulation content file is adapted for use with a computer-implemented simulation player which comprises:

means for reading the simulation content file;

graphical user interface means for displaying to an end-user a schematic diagram of the simulation system model created by the designer;

means for running the simulation system model using the information in the simulation content file; and

wherein the graphical user interface means and the means for running the simulation system model are further adapted to prohibit the end user from modifying the simulation system model by adding or removing any of the component models, subsystem models or interconnections of the simulation system models.

50.   (currently amended):   The computer-readable medium program product of claim 49 wherein said computer-implemented design automation software environment enables the designer to identify parameters of the simulation system model, component models and/or subsystem models that may be inspected and/or varied by an end user, and to specify one or more allowed values of said parameters that may be set by the end user, and

wherein said steps of creating the simulation content file further includescomprises including with said file information identifying said identified parameters and allowed values.

51.   (currently amended):   The computer-readable medium program product of claim 49 wherein the simulation content file further includes one or more of data and/or document files, a digital image, a web site URL, and contact details.

52.   (currently amended):   The computer-readable medium program product of claim 51 wherein:

the simulation system model comprises a model of an optical, opto-electronic or electronic component or system product, and the computer simulation model is provided for distribution by a vendor for evaluation of said product by prospective customers;

the document and/or data files comprise data and promotional information relating to said component or system product, and the simulation player is adapted to enable the end user to open said files and inspect their contents;

the digital image comprises a company logo of said vendor, and the graphical user interface means is adapted to display the logo on a computer display;

the web site URL identifies a web site of said vendor, and the graphical user interface means is adapted to enable the end user to open a web browser at said web site; and

the contact details include one or more of a physical address, an email address, a telephone number and a fax number, and the graphical user interface means is adapted to display said contact details on the computer display.

~~the simulation model comprises a model of an optical, opto-electronic or electronic component or system product;~~

~~the document and/or data files comprise data and promotional information relating to said component or system product, and the simulation player software enables the end user to open said files and inspect their contents;~~

~~the digital image comprises a company logo of said vendor, and the simulation player software is configured to display the logo on a computer display;~~

~~the web-site URL identifies a web-site of a vendor, and the simulation player software enables the end user to open a web browser at said web-site; and~~

~~the contact details include one or more of a physical address, an email address, a telephone number and a fax number, and the simulation player software is configured to display said contact details on the computer display.~~

53   (currently amended): A tangible computer-readable medium having ~~computer program product comprising a computer readable storage medium having embodied upon it~~ computer-readable instructions stored thereon, for performing a method comprising the steps of;~~said instructions executing the steps comprising~~

reading a simulation content file that includes information describing ~~an~~ a runnable optical, opto-electronic or electronic simulation system model created by a designer, which model includes interconnected component and/or subsystem models, and

providing a computer-implemented simulation player environment which includes:

means for reading the simulation content file;

graphical user-interface means for displaying to an end-user a schematic diagram of the simulation system model created by the designer; and

means for running the simulation system model using the information in the simulation content file.

wherein the graphical user interface means and/or the means for running the simulation system model are adapted to prohibit the end-user from modifying the simulation model by adding or removing any of the component models, subsystem models or interconnections of the simulation system model.

~~providing a simulation-player software environment that enables an end-user to run the simulation model based upon the information in the simulation content file while prohibiting the end-user from adding or removing component models, subsystem models or interconnections of the simulation model.~~